FLEX or CORE?

Ciqurix video flame detection systems are available in two versions, known as FLEX and CORE. The same ground-breaking multi-spectrum fire detection technology is used across both ranges, but the hardware and control systems differ.

FLEX is a cctv system and is used for supplemental fire detection. Devices are connected using standard ethernet cabling and can potentially make limited use of existing network infrastructure (where suitable). They cannot be connected to an existing network.

CORE is a fire system and is used for primary fire detection. It is designed to be compliant to BS5839-1:2017 (UK fire standard), uses fire-rated cabling, and will operate from its internal battery supply for over 24 hours. Each device is connected directly to a CORE Control Hub or Extension Hub with fire-rated 4-pair STP cable using the Ciqurix QLS protocol.

For more information or to discuss your requirements, please contact us.

	Fire detection category	Detector power	Max detection distance	Camera connection	Time to detect	Uses existing network?
FLEX	Supplementary	Local 12Vdc or via PoE[1]	180m	RJ45 / 2.1mm flying lead	10sec (avg)	Possibly but must be separate or segregate from all other equipment
CORE	Primary	Powered from CORE Hub (QLS 24Vdc)	180m	Punchdown IDC terminals	10sec (avg)	No

[1]With PoE adapter, available separately

	Will connect to NVR?	Suitable for fire resistant cabling?	Battery backup?	Designed for compliance with BS5839-1?	Designed based on EN54 parts 2/4/10?	Designed to meet LPCB LPS1976-1?
FLEX	A dedicated NVR can be fitted inside the hub, used solely for the FLEX system.	No	No	No	No	No
CORE	A dedicated NVR can be fitted inside the hub, used solely for the CORE system.	Yes	Yes will run for over 24 hours in mains failure[2]	Yes	Yes	Yes

[2]Not including NVR or any other non-critical additional equipment

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